

CLAIMS

- 1 Coated metal surface comprising, successively :
- 5 • a layer (1) of epoxy primer placed next to the metal,
- a layer (2) of binder comprising 98 to 50 parts by weight of at least one fluoropolymer L3 per 2 to 50 parts, respectively, of at least one polymer chosen from acrylic polymers L1 and polymers L2 which are fluoropolymers chemically modified by a partial dehydrofluorination followed by an oxidation,
- 10 • a layer (3) of fluoropolymer.
- 2 Coated metal surface comprising, successively :
- a layer (1) of epoxy primer placed next to the metal,
- 15 • a layer (2) of binder comprising 98 to 50 parts by weight of at least one fluoropolymer L3 per 2 to 50 parts, respectively, of at least one polymer chosen from acrylic polymers L1 and polymers L2 which are fluoropolymers chemically modified by a partial dehydrofluorination followed by an oxidation.
- 20 3 Coated metal surface which is the outer surface of tubes, comprising, successively:
- a layer (2) of binder placed next to the metal and comprising 98 to 50 parts by weight of at least one fluoropolymer L3 per 2 to 50 parts, respectively, of a mixture comprising at least one polymer chosen from the polymers L2 which are fluoropolymers chemically modified by a partial dehydrofluorination followed by an oxidation, and optionally at least one polymer chosen from acrylic polymers L1,
- 25 • a layer (3) of fluoropolymer.
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4 Coated metal surface comprising, successively :

- a layer (1) of primer placed next to the metal and comprising 1 to 70 parts of a polymer chosen from polymers L2 which are fluoropolymers chemically modified by a partial dehydrofluorination followed by an oxidation, per 30 to 5 99 parts, respectively, of an epoxy primer,
- a layer (3) of fluoropolymer.

5 Coated metal surface according to any one of Claims 1 to 4, in which the epoxy primer is the product of the reaction of a thermosetting epoxy
10 resin and of a hardener.

6 Coated metal surface according to Claim 5, in which the gel time defined by Afnor standard NFA 49-706 is advantageously between 20 and 60 seconds.

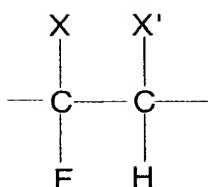
15 7 Coated metal surface according to Claim 5 or 6, in which the Tg of the epoxy primer is greater than 120°C.

8 Coated metal surface according to any one of Claims 1 to 3, in
20 which the acrylic polymer L1 is a copolymer of methyl methacrylate and of acrylic acid.

9 Coated metal surface according to any one of Claims 1 to 3, in which the Tg of the acrylic polymer L1 is greater than or equal to 120°C.

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10 Coated metal surface according to any one of Claims 1 to 4, in which the polymer which is chemically modified to obtain L2 is a fluoroplastic or a fluoroelastomer which contains units of general formula (I):



(1)

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15 Product according to any one of Claims 1, 2 and 4, in which the surface is the outer surface of tubes.